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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Reed et al. GROUP: 2872  
SERIAL NO: 10/820,420 EXAMINER: Unknown  
FILED: 04/08/2004

FOR: SHOCK-WAVE MODULATION AND CONTROL OF  
ELECTROMAGNETIC RADIATION

Mail Stop DD  
P.O. Box 1450  
Commissioner of Patents  
Alexandria, VA 22313-1450  
Sir:

**INFORMATION DISCLOSURE STATEMENT**

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

The listed documents were recently cited in a corresponding PCT application, and a copy of the International Search Report is being submitted herewith for purposes of convenience.

The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further fee that is required.

Respectfully submitted,

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Mail Stop DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Deborah M. Costello

10/5/04  
Date

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP  
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9682CIP  
ATTORNEY DOCKET NO.

10/820,420  
SERIAL NO.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Reed et al.  
APPLICANT:

2872  
GROUP:  
Unknown  
EXAMINER:

04/08/2004  
FILING DATE:

OCT 07 2004

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	WO 03/087926	10/23/2003	PCT		YES
	AK					
	AL					

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	AM	"Wavelength Filter and Converter by NDFWM in Strained Quantum Wells," Jiang et al. <i>International Journal of Infrared and Millimeter Waves</i> . 2001. Vol. 22, No. 3.
	AN	"A steady state solution to four-wave mixing utilizing the SU (2,2) group symmetry with mixed gratings in a Kerr type media," Darbyshire et al. <i>Optics Communications</i> . 1995. Vol. 117, No. 283-289.
	AO	"Simulation of Terahertz Doppler Wavelength Shifting of Infrared Optical Pulses in an Active Semiconductor Layer," Scherbatko et al. <i>IEEE Transactions on Microwave Theory and Techniques</i> . April 2000. Vol. 48, No. 4.
	AP	"Tunable and Selective Wavelength Conversion Using Fiber Four-Wave Mixing with Two Pump Lights," Inoue et al. <i>IEEE Photonics Technology Letters</i> . December 1994. Vol. 6.

EXAMINER

DATE CONSIDERED

**EXAMINER:**

**Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**